

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF FEBRUARY (4TH WEEK) 2018.

SN	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	20.02.2018	22.02.2018
1	RANGPO, East Sikkim	92 (Satisfactory)	94 (Satisfactory)
2	SINGTAM, East Sikkim	93 (Satisfactory)	100 (Satisfactory)
3	DEORALI, East Sikkim	86 (Satisfactory)	56 (Satisfactory)
4	RAVANGLA, South Sikkim	29 (Good)	27 (Good)
5	NAMCHI, South Sikkim	23 (Good)	23 (Good)
6	PELLING, West Sikkim	22 (Good)	33 (Good)
7	CHUNGTHANG, North Sikkim	30 (Good)	26 (Good)
8	MANGAN, North Sikkim	56 (Satisfactory)	39 (Good)

Good (0-50)	Minimal Impact	Poor (201-300)	Breathing discomfort to people on prolonged exposure
Satisfactory (51-100)	Minor breathing discomfort to sensitive people	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure
Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults	Severe (>401)	Respiratory effects even on healthy people

Interpretation of Ambient Air Quality Data/Results:

As per the findings of the Ambient Air Quality monitoring, the quality of Ambient Air remains unaffected during the month of February 4TH week 2018 (i.e. 20/02/2018 & 22/02/2018) and as per the AQI, the quality of air at almost all the locations were good except the pollutants level of Rangpo, Singtam, Deorali (Gangtok) and Mangan (for the period i.e. 20/02/2018) are higher due to maximum movement of vehicles in the surrounding area.

STATE POLLUTION CONTROL BOARD,SIKKIM
 AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP
 FOR THE MONTH OF FEBRUARY (4th WEEK) 2018

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B		
		PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
RANGPO	20.02.2018	97.22	7.98	12.36
	22.02.2018	94.37	5.90	7.70
SINGTAM	20.02.2018	92.73	8.34	5.97
	22.02.2018	99.82	7.50	4.06
DEORALI	20.02.2018	85.73	5.54	6.30
	22.02.2018	56.14	2.08	2.61
PELLING	20.02.2018	22.30	6.46	3.06
	22.02.2018	33.30	4.79	1.96
RAVANGLA	20.02.2018	28.66	3.70	1.89
	22.02.2018	27.03	3.00	1.16
NAMCHI	20.02.2018	23.03	4.94	3.32
	22.02.2018	23.07	4.56	3.77
CHUNGTHANG	20.02.2018	30.12	4.60	1.39
	22.02.2018	25.57	2.10	1.14
MANGAN	20.02.2018	55.64	3.33	2.54
	22.02.2018	39.03	4.58	3.94
National Ambient Air Quality Standards (NAAQS) – 24 hrs		100	80	80